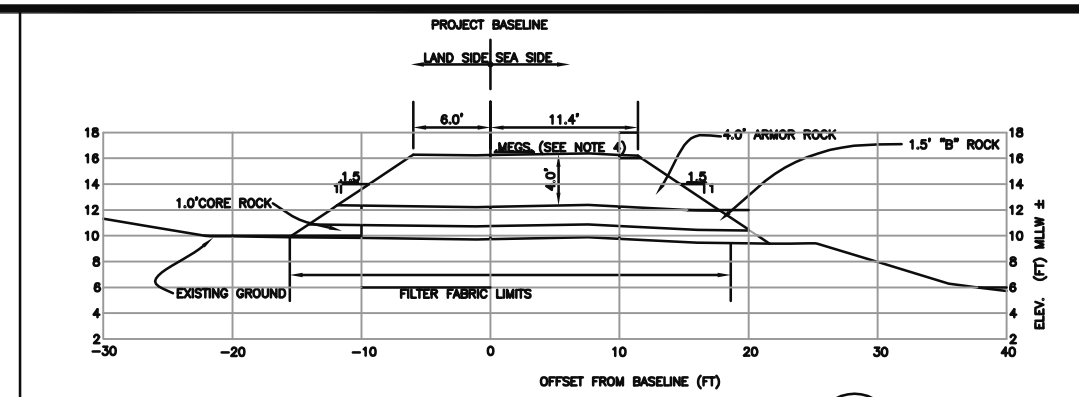
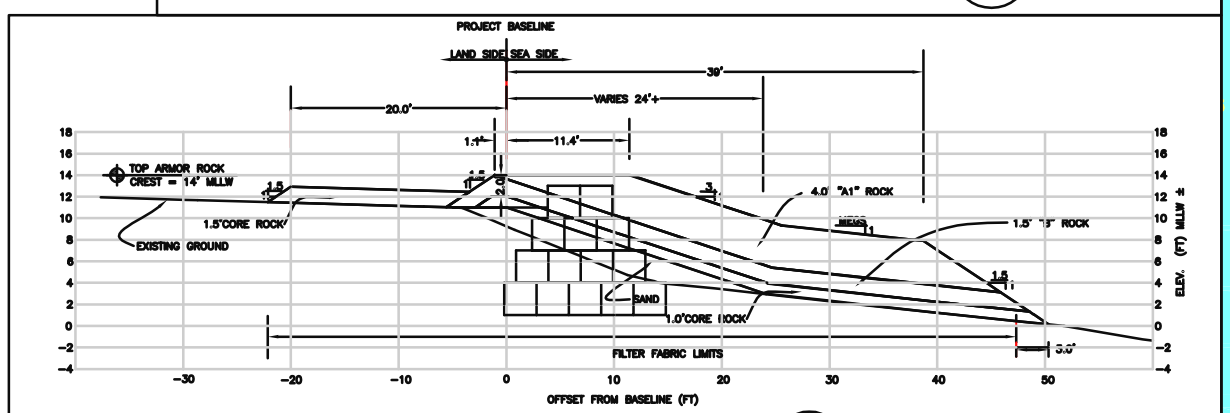
Kivalina
Coastal Erosion



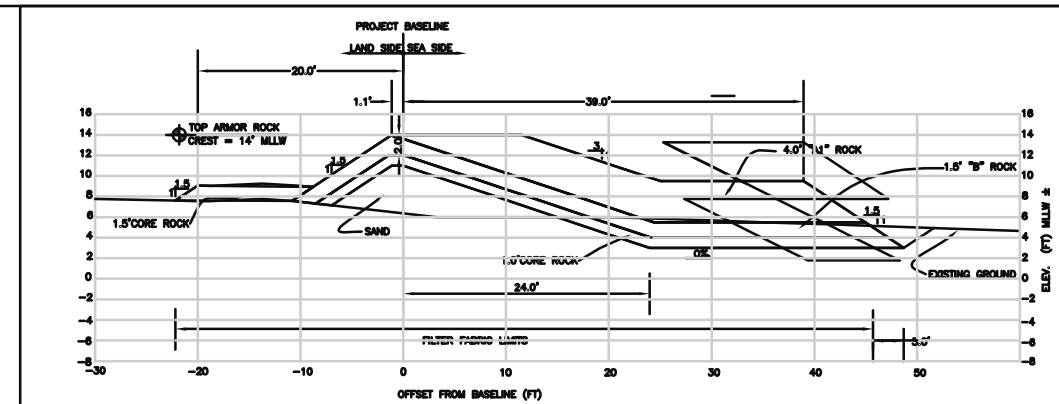
TYPICAL SECTION

STA 20+00 TO 20+50 (A)



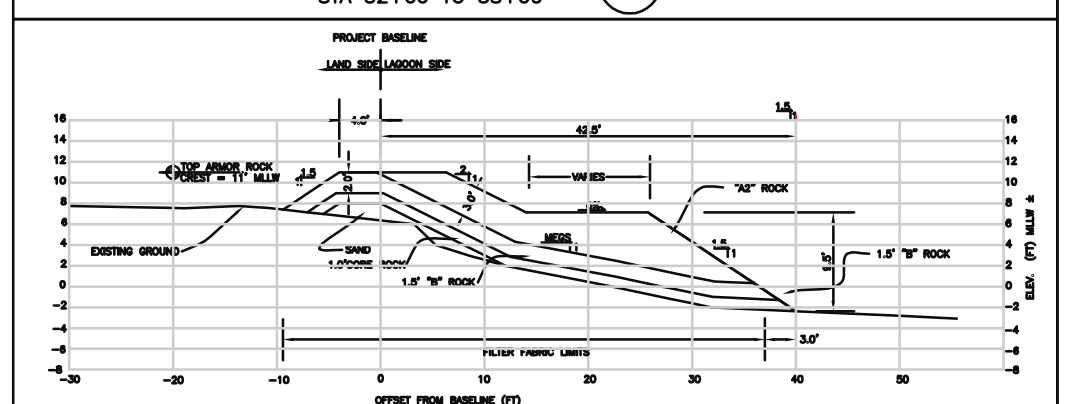
TYPICAL FILL SECTION

STA 20+50 TO 32+00 (B)



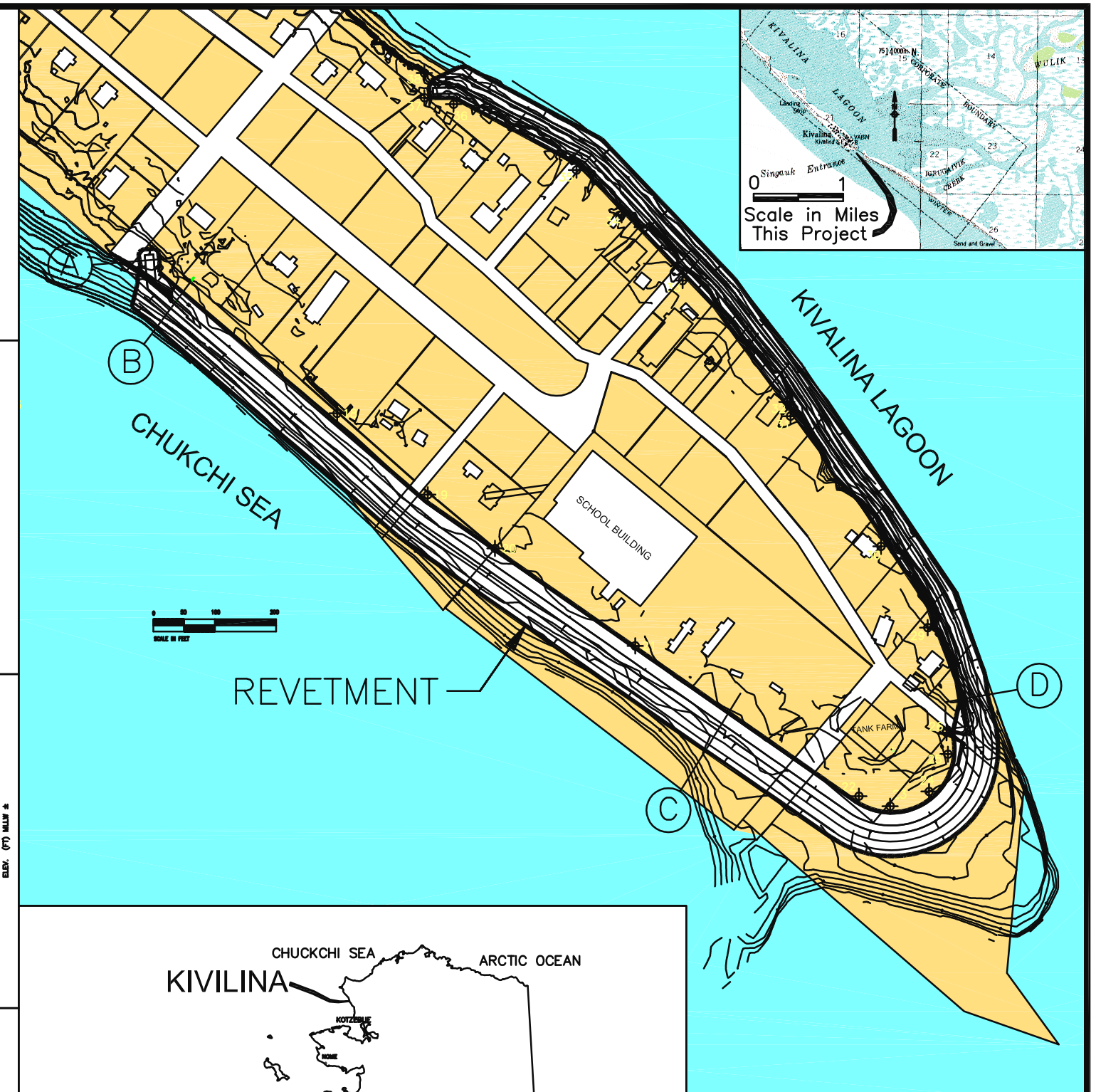
TYPICAL SECTION

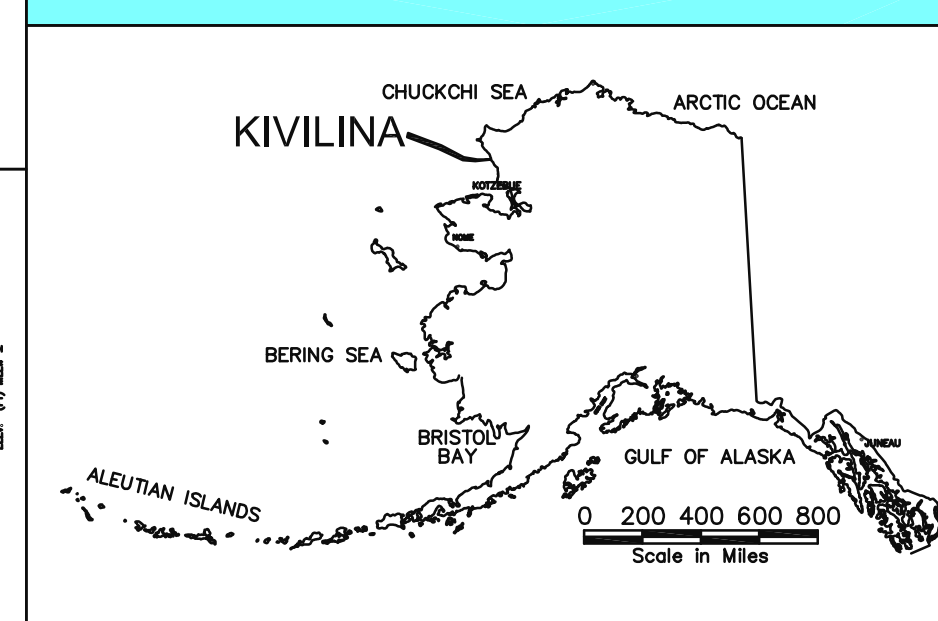
STA 32+00 TO 38+00 (C)



TYPICAL SECTION

STA 38+00 TO 51+85 (D)





KIVILINA, ALASKA

REVISED: 2008

Lat: 67°43'29.68"N
Long: 164°31'57.96"W

0 50 100 200
SCALE in Feet

N

Condition of Improvements
30 December 2014
Kivalina Coastal Erosion, Alaska
(CWIS No. 081818)

Authorization Section 117. Even though it was repealed by Section 117 of PL 111-8 because construction was already underway the authorization is valid for the current construction. a. Section 117 of Division C, Public Law 108-447 states, "Notwithstanding any other provision of law, the Secretary of the Army is authorized to carry out, at full Federal expense, structural and non-structural projects for storm damage prevention and reduction, coastal erosion, and ice and glacial damage in Alaska, including relocation of affected communities and construction of replacement facilities."

Table 1

Existing Project	Length ft.
Coastal beach revetment	1,200

Progress of Work

2009 Approximately 1200' of rock revetment was constructed.

Table 2 Cost to Date

Project	Description	Cost $
081818	CG Costs	13,428,774

** Unofficial cost. This project is part of the Alaska Coastal Erosion funding account currently being refined to segregate costs to individual projects.*

Table 3 Range of Tides in feet

Tide Station	Mean Range	Diurnal Range	Extreme Range
949 1253 Kivalina AK	0.67	0.9	5.45

Kivalina Coastal Erosion, Kivalina, Alaska

Oblique of Kivalina, 21 June 2010.

Oblique of the riprap revetment, 12 July 2011.

Kivalina Coastal Erosion, Kivalina, Alaska

Riprap revetment, 12 July 2011.

Riprap revetment from the crest, 12 July 2011.